

The attached CADD drawings represent a sample of various entities and their association to Traffic Design's CADD Standards. These standards are primarily based on the ADOT English CADD Standards and ADOT Drafting Guides for use in Office and Field (1990). Some of Traffic Design's standards are different from other ADOT guidelines due to the uniqueness of our drawings.

As indicated on the attached sample drawings, the double yellow lines should have a weight of 2 (WT=2). This weight can be adjusted to a weight of 1 (WT=1) depending on scale used. All other line weights shall follow the attached samples.

The border plan sheets or title block sheets are located in the adot.cel libraries. The location of these cell libraries is in the following directories; S:\standards\english (for English projects) or S:\standards\metric (for Metric projects). The file name of the Traffic Design border sheet is TRAFD.

The text height (TX=) for each project shall be BASED on our border sheet (TRAFD) placed at an active scale of 1 (AS=1). This will bring the plan sheet in at 3600 x 2200. Since the scale that we want our drawing plotted at will vary depending on what features need to be shown, the plan sheet sometimes will be placed at an active scale of less than 1. Therefore, the text will need to be placed with a text height based on what scale the plan sheet is placed. Example:

A project is drawn at a scale of 1:1 (the scale that ALL drawings must be drawn at). To show the features we want to show, we need to place the TRAFD cell at a scale of 0.5 (AS=0.5). The text for this drawing will need to be placed at 0.5 times the text height given on the attached sample drawings. If you are using a text height of 17.5 you would use a text height of 8.75 ($17.5 \times 0.5 = 8.75$). The weights, levels, color and fonts all remain as indicated. This will give the proper text heights and weights when the drawings are submitted at full size 36 x 22.

Text placed between lane line pavement markings will need to be placed at TX=15 (as opposed to 17.5) when drawing at 1:1. This will prevent the text from interfering with the pavement markings.

All cells and patterns placed in a drawing will already have the correct weight, level and color for their intended purpose. There is no need to change the attributes that come with the cell.
Examples:

A line terminator is placed in the drawing, - if the level and color are changed, the arrow will not fill-in.

The pavement marking "ONLY" is placed in the drawing, - the correct weight, level and color have been set for the intended application.

Any items not shown on the attached sample drawings shall be placed as outlined in the ADOT CADD Standards and ADOT Drafting Guides for use in Office and Field (1990).

All direction of travel arrows shall NOT fill-in on the drawing (this is already set when the cell is placed in the drawing). All pavement marking arrows (the arrows that will be placed on the roadway) will be filled in (this is already set when the cell is placed in the drawing).

The following are the ONLY approved CADD cell libraries for Traffic Design. These libraries should contain most of the cells required to complete a pavement marking, signing and traffic control plan.

s:\standards\english\ADOT.cel.....ADOT cell library. (English)
s:\standards\metric\ADOT.cel.....ADOT cell library. (Metric)
s:\standards\english\intrmstd\traffic98.cel.....Cells used in the preparation of pavement marking plans and traffic control plans *.
s:\standards\english\intrmstd\signe98.cel.....English library contains the Manual of Approved sign cells*.

* Traffic Design is in the process of revising and testing the traffic98 and signe98 cell libraries. It is very important that CADD users use only these cell libraries found in the directories indicated. This way we can get a feeling of your needs and how the new cells look in our drawings. If you notice any problems, have questions or suggestions please bring them to the attention of your CADD Coordinator.

PLOTTERS:

The following are the locations of the new plotters;

traffic - [\\e016ts03\traffic](#) is the full size plotter in traffic (should be used for full size plots)
trafhalf - [\\e016ts03\trafhalf](#) is the half size plotter in traffic (should be used for half sized plots)
full - [\\e018s007\full](#) is the full size plotter at the engineering building (should be used if our plotter is down)
final - [\\e018s007\final](#) is for final full size vellum plots (located at the engineering building)

All other questions related to CADD Standards can be found in the “blue” book titled, Standards for Traffic Design, Electrical Design and Traffic Studies, or by asking your CADD Coordinator. Communication with your CADD Coordinator is the ONLY way to maintain CADD Standards within the Department.